

EDUCATION

Georgia Institute of Technology
BITS Pilani (India)

M.S. Computer Science
B.E. Computer Science

CGPA: 4.0/4.0
CGPA: 8.76/10

Graduation: May 2017
Graduation: May 2014

PROFESSIONAL EXPERIENCE

Oracle, Redwood Shores

July 2017 - Present

Fulltime, Applications Developer | *Python, Cassandra, Spark, JavaScript*

- Architecting and developing a robust platform to facilitate data analytics for the Fusion Financial Technologies group
- Developing strategies, integrating data mining and visualization techniques to turn data logs into actionable insights
- Other Projects: Prototyping designs and product enhancement features to improve customer experience

PayPal, San Jose

May 2016 - Aug 2016

Intern, Business Development | *Python, Flask, JavaScript, d3, Teradata*

Developed a tool to proactively monitor and analyze trends of different integrations to strengthen the relationship with the partners and improve the overall efficiency of the team and operational performance

Georgia Tech Visualization Lab, Atlanta

Aug 2015 - May 2017

Graduate Research Assistant | *Python, JavaScript, d3, AngularJs, MongoDB, AWS*

Created web based visual analytics tools for analysis and sensemaking on text document collections (Jigsaw, ListView), managed the lab web server and application deployment, prototyped visualization designs and mentored undergraduate student projects

Walmart Global Technology Services, Bangalore

Jul 2014 - Jul 2015

Fulltime, Software Engineer | *Java, JavaScript, JQuery, AngularJs, Oracle*

Full Stack development: Implemented integral features for the redesign and improvement of the UI of samsclub.com

Innovation Labs - [24]7-Inc, Bangalore

Jan 2014 - Jun 2014

Intern, Software Developer | *Grails, GSP, HTML, CSS, JavaScript, MongoDB*

Worked independently on multiple web applications to improve internal communication. Received recognition for Project Delivery.

PROJECTS, ACADEMICS AND RESEARCH

Hackathons

July 2016 – Present

Won multiple Bay Area based hackathons including TechCrunch Disrupt SF (AI powered Group Chat), NDC Hackathon (Multicity Trip Planner), Opportunity Hackathon (Collaborative mapping tool), Oracle Internal Product Development (Onboarding app)

Literacy for Environmental Justice - Nursery Inventory management System

Sep 2017 – Feb 2018

Developed an inventory management system to help the NGO handle their operations, improve efficiency and reduce plant loss

Teaching Assistant - Prototyping Interactive Systems

Aug 2016 – Dec 2016

Assisted the faculty with the course, lectures and assignment planning, grading and conducting office hours to help the students

Emory Research Project – Clinical Discharge Support System

Jan 2016 – May 2016

Collaborated with Professors from GSU and Doctors from Emory University to create a Clinical Discharge Decision support system that can potentially help physicians in identifying the optimal time to discharge patients and significantly reduce overall costs

Data Visualization and Analytics Projects

Aug 2015 – May 2017

Worked on various data visualization and analytics projects - exploring programming language trends on Stack Overflow; understanding Social Movements coverage and timeline; studying relationship between New York City taxi routes and infrastructure

Google Summer of Code– OpenSource Bioinformatics Software

May 2014 – Aug 2015

Developed the Cytoscape plugin, Pesca and enhanced CentiScape in collaboration with the National Resource for Network Biology

TECHNICAL SKILLS

Programming: Python, Java, C

Web Technologies: JavaScript, JQuery, D3.js, AngularJs, Bootstrap, Flask, HTML5, CSS, AWS. *Familiar:* Node, React, Knockout, J2EE

Others: Tableau, Spark, MATLAB, Adobe Photoshop, Maya

Database: MongoDB, Cassandra, MySQL, Oracle

PUBLICATIONS

Poster: S. Pratap, A. Endert. "PredVis - Interaction Techniques for Time Series Prediction". IEEE VIS '17, Section: VAST

Poster: S. Pratap, D. Chand, "Viseract: Computer Vision based Gesture Control for InfoVis". IEEE VIS '17, Section: InfoVis

Article: "Finding the shortest path with PesCa: a tool for network reconstruction", F1000Research, 2015,4:484

Journal: "Ontological Tree Generation for Enhanced Information Retrieval", IJAIA, Vol. 4, July 2013, PP. 41-51, ISSN: 0975-900X